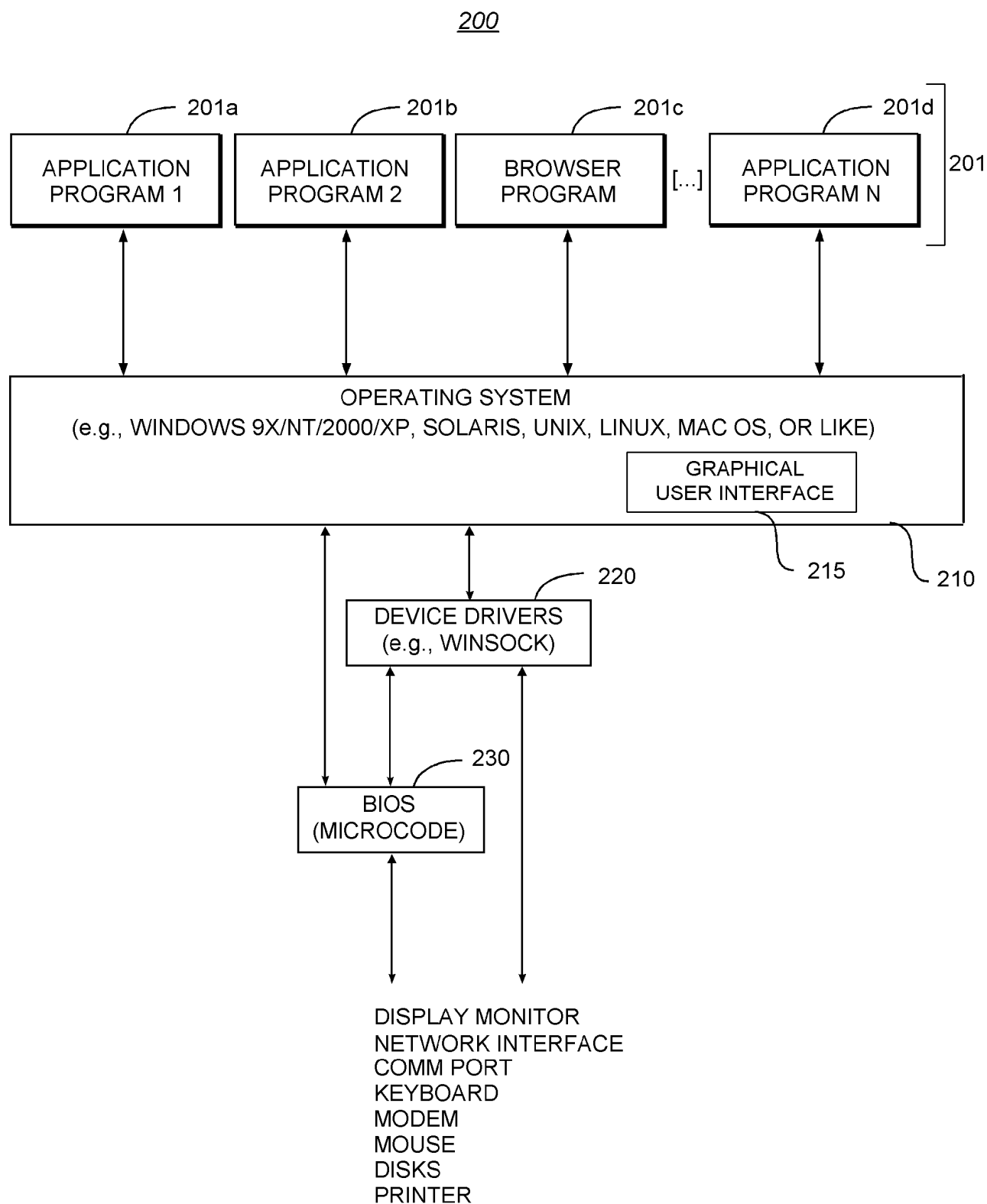
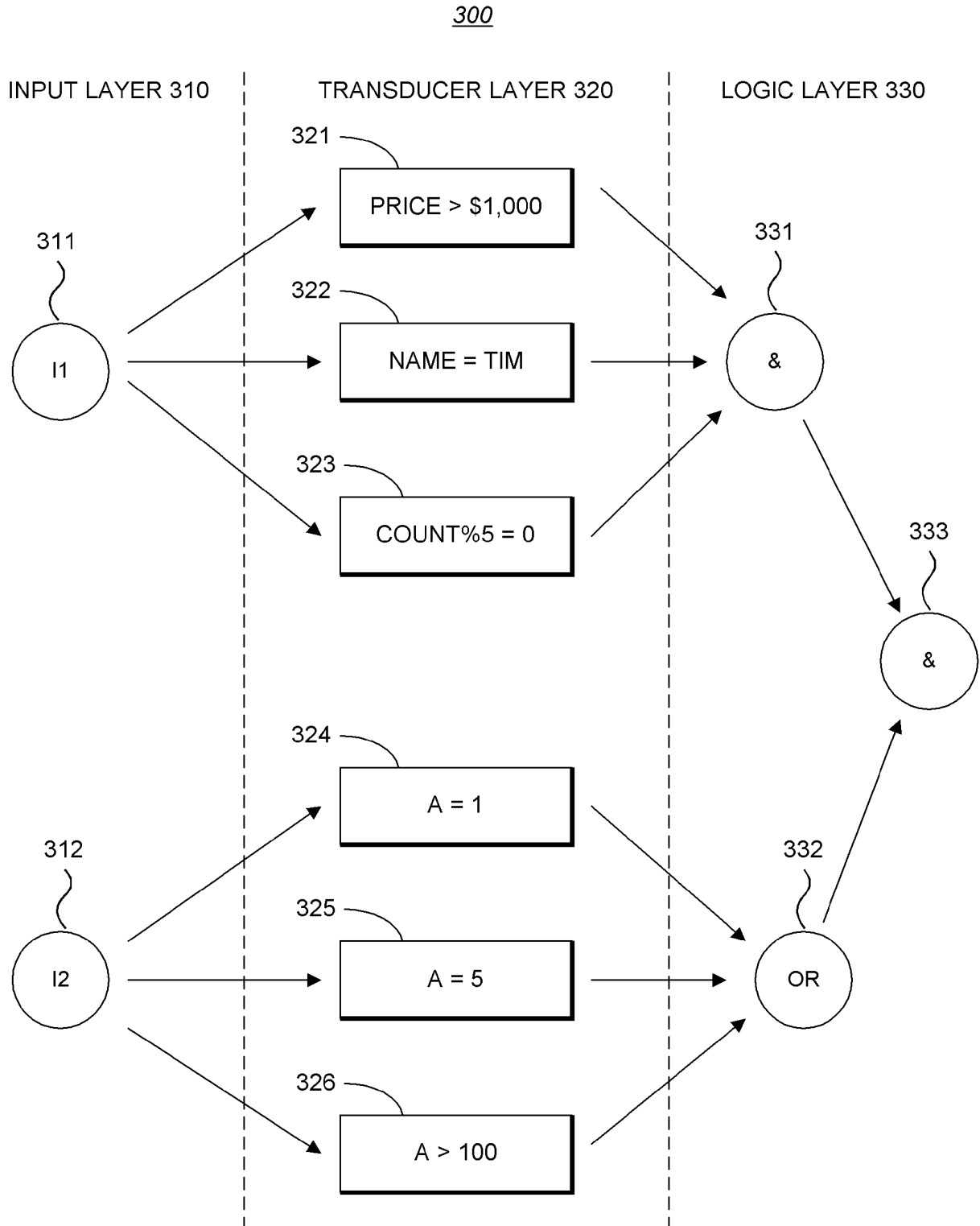
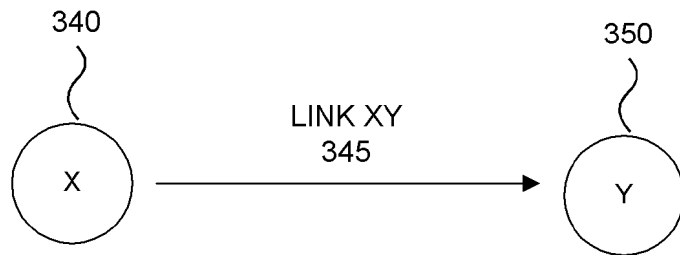


FIG. 1
(PRIOR ART)

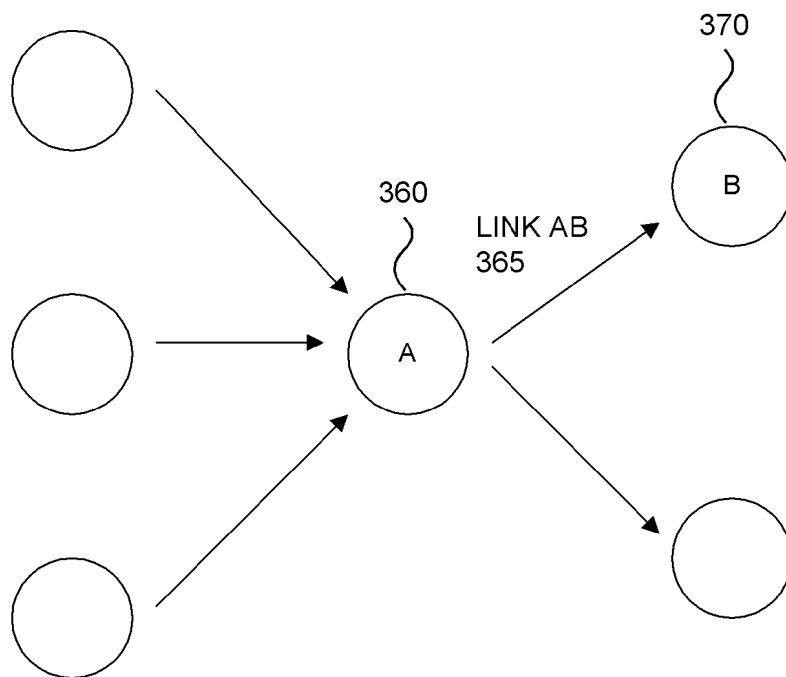
**FIG. 2**

*FIG. 3A*



LINK XY'S SOURCE NODE IS X.

LINK XY'S DESTINATION NODE IS Y.



NODE A HAS AN INPUT COUNT OF THREE AND AN OUTPUT COUNT OF TWO. NODE A HAS THREE INPUT LINKS AND TWO OUTPUT LINKS.

LINK AB HAS A SOURCEOUTPUTCOUNT OF TWO.

FIG. 3B

HIGH LEVEL VIEW OF DEPLOYMENT ENVIRONMENT
SYSTEM COMPONENTS

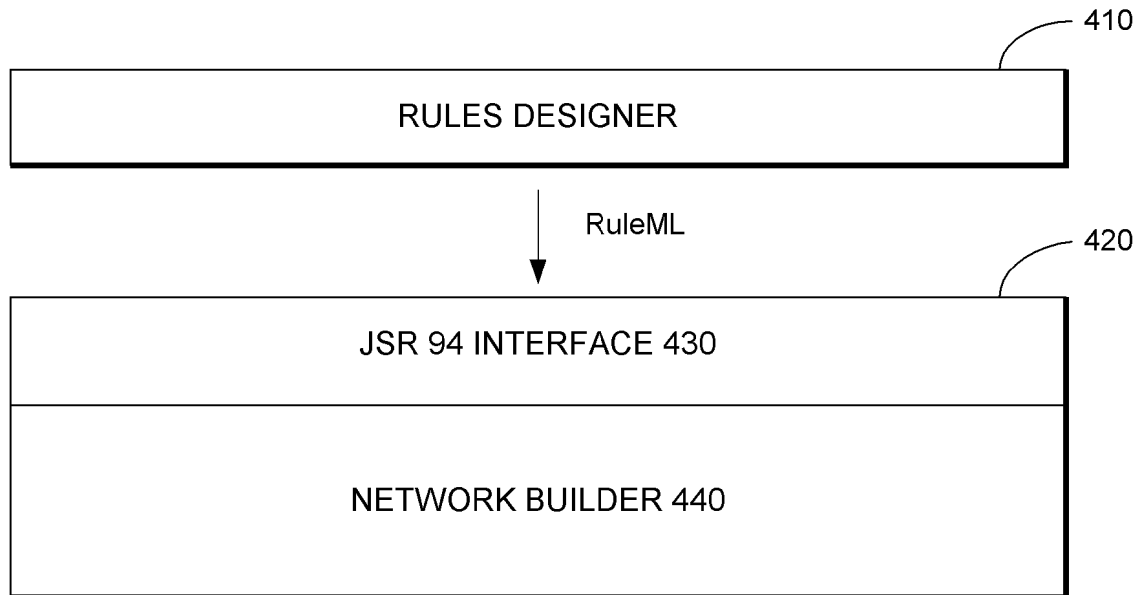


FIG. 4A

NETWORK BUILDER
DETAILED VIEW

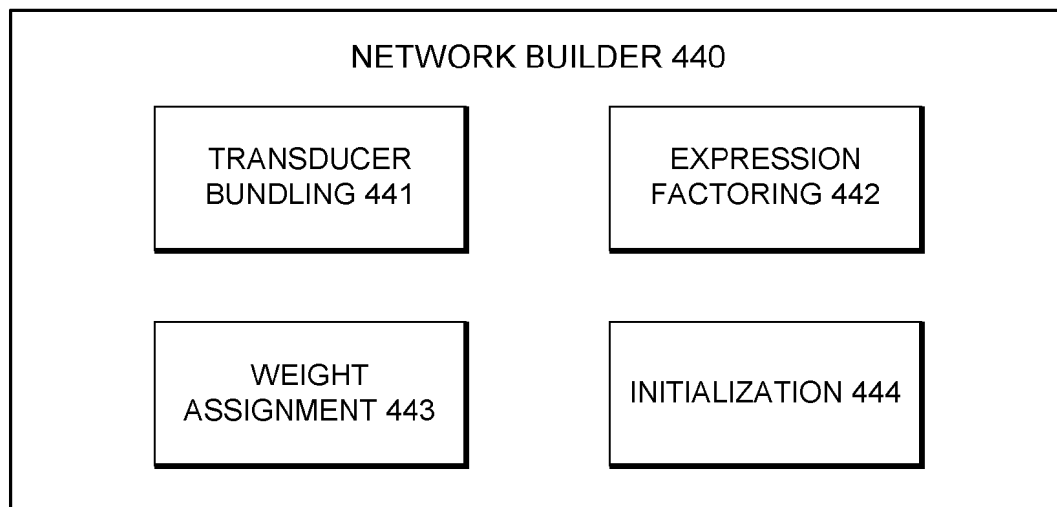
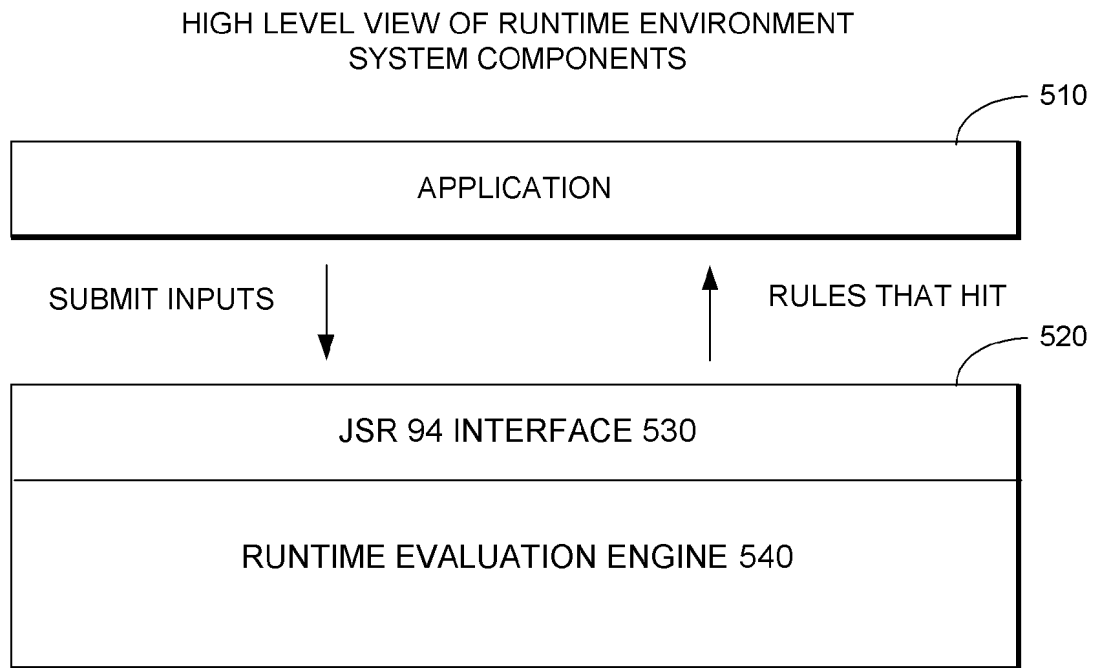
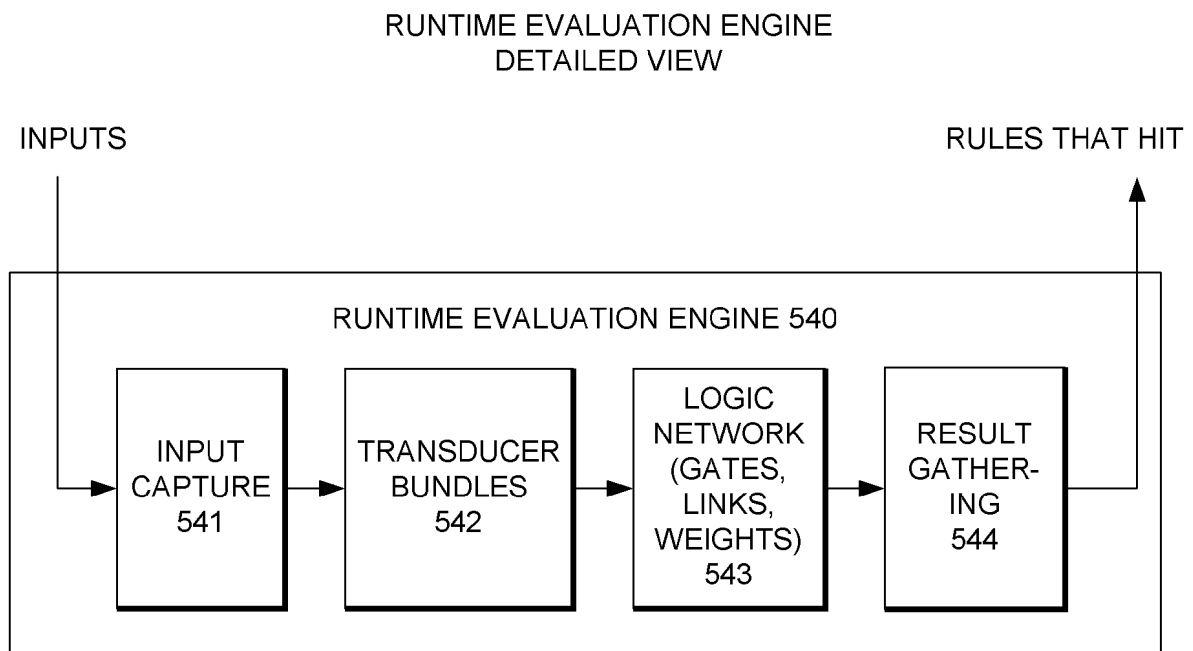
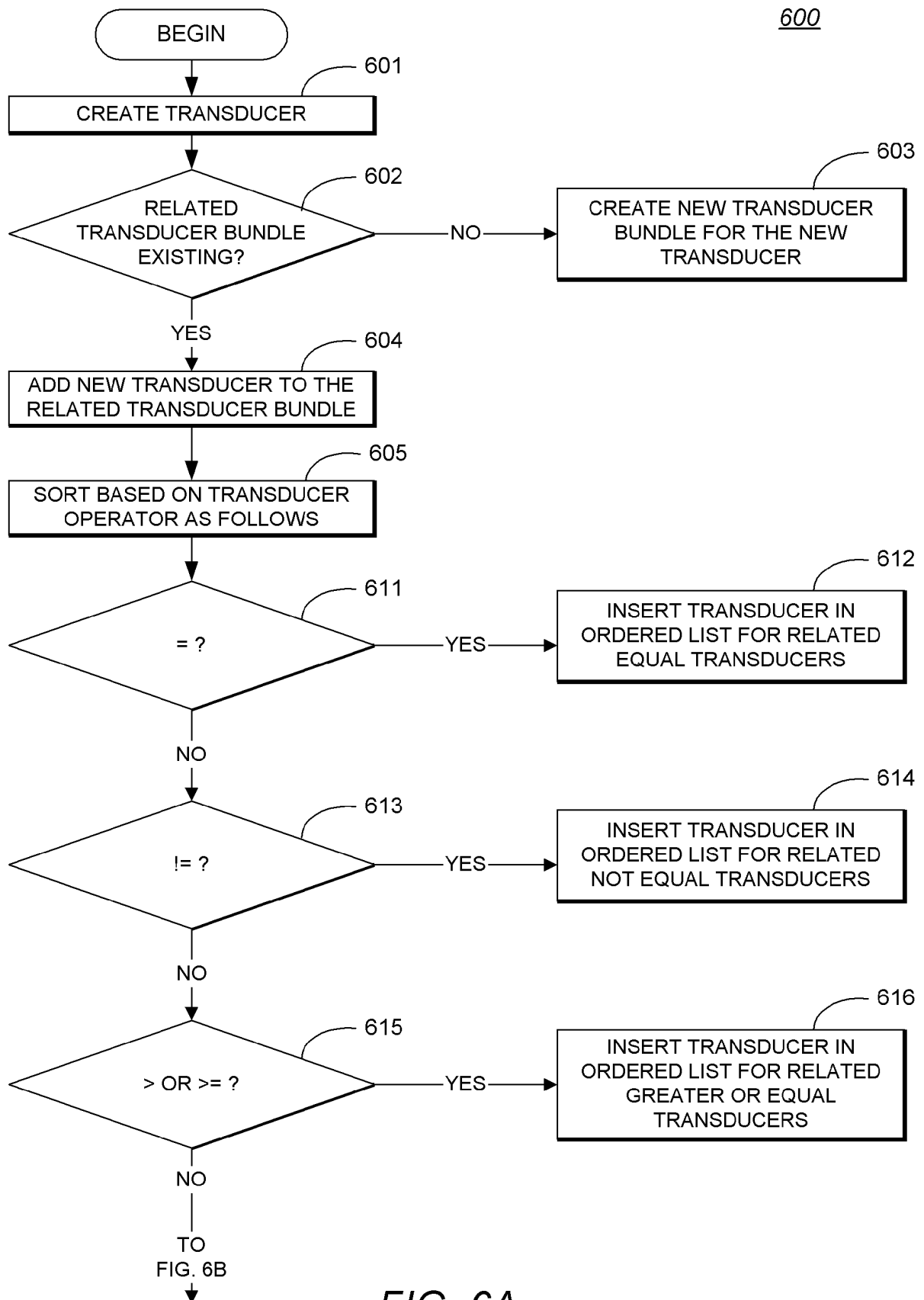
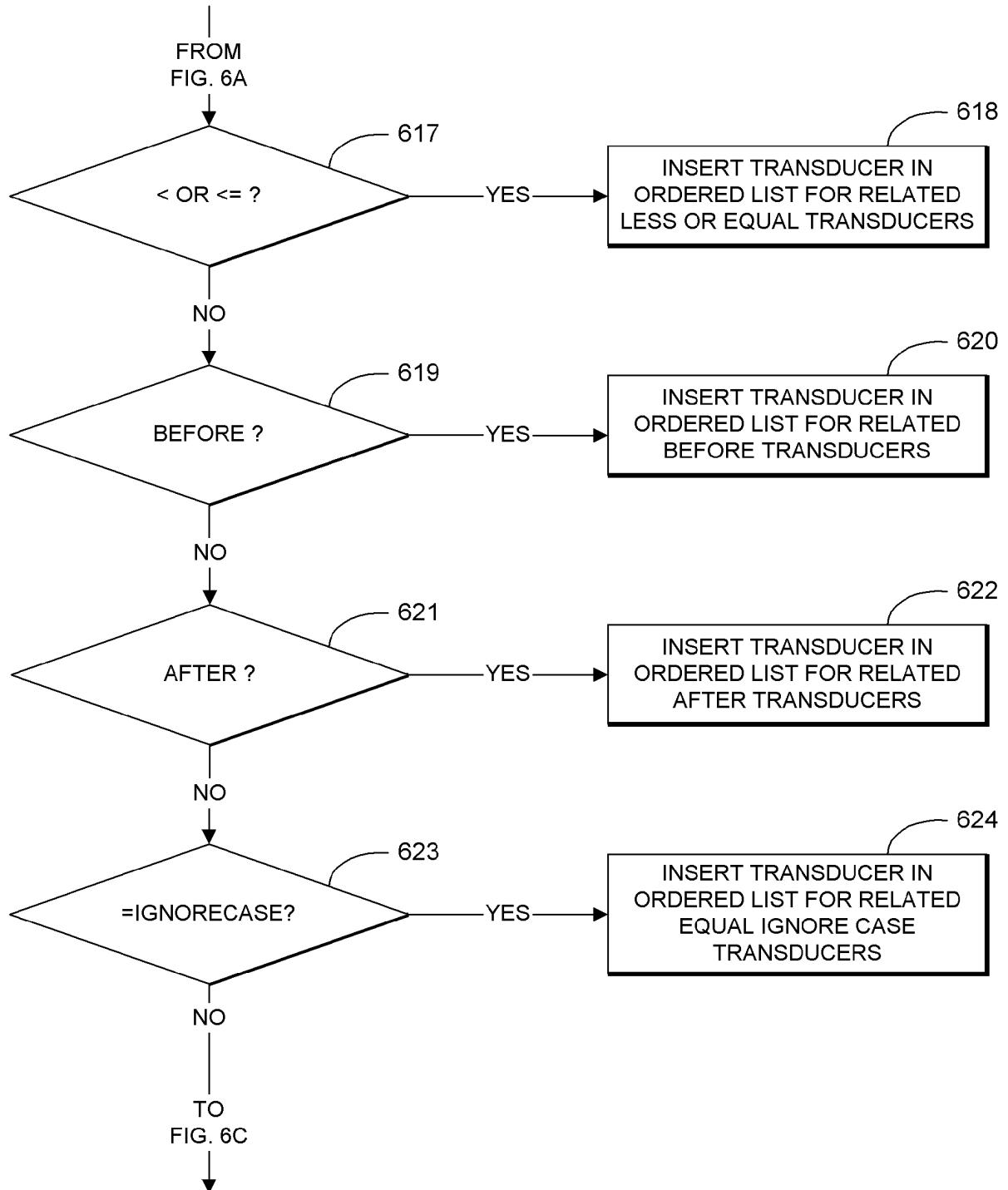


FIG. 4B

*FIG. 5A**FIG. 5B*



**FIG. 6B**

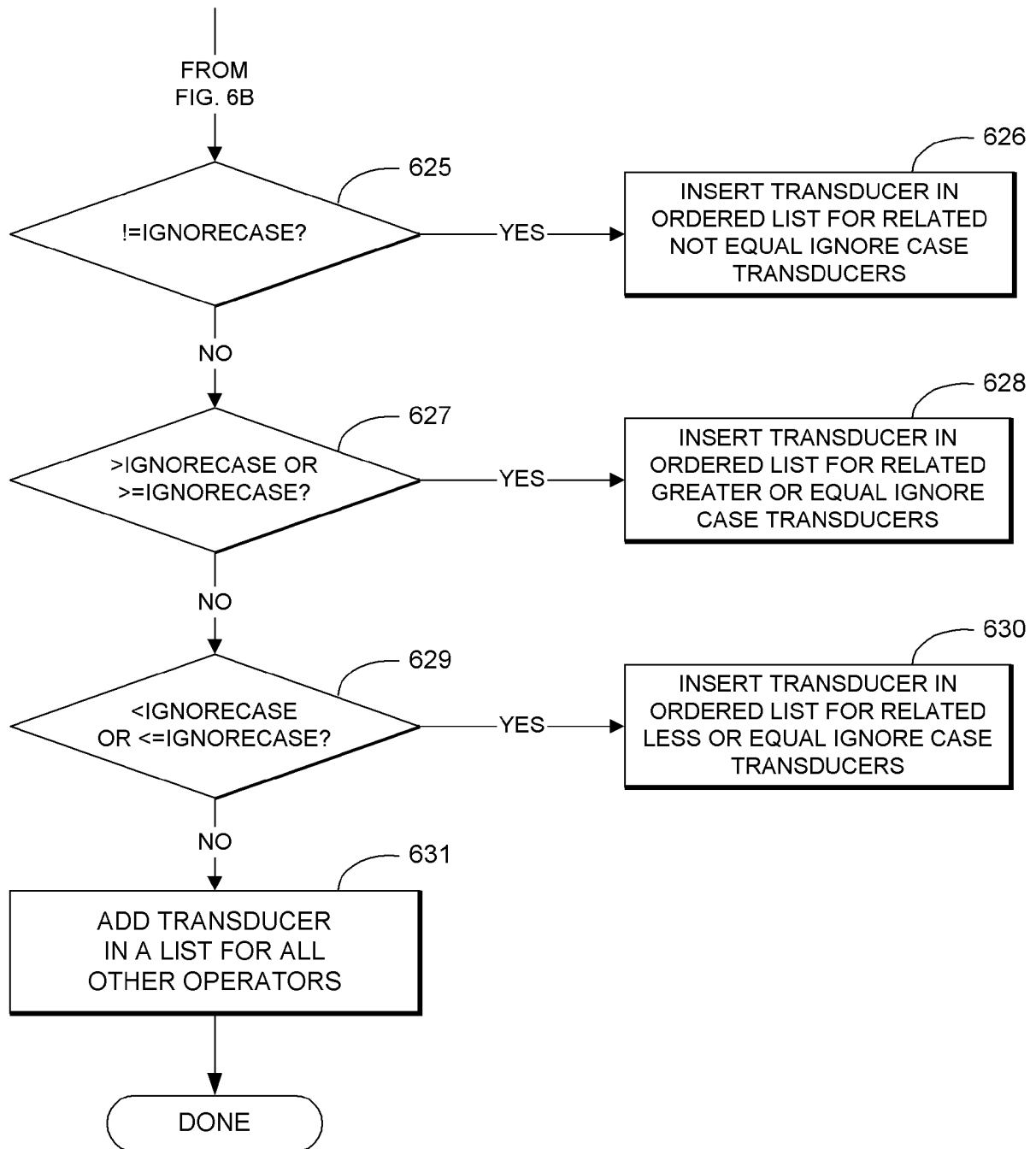


FIG. 6C

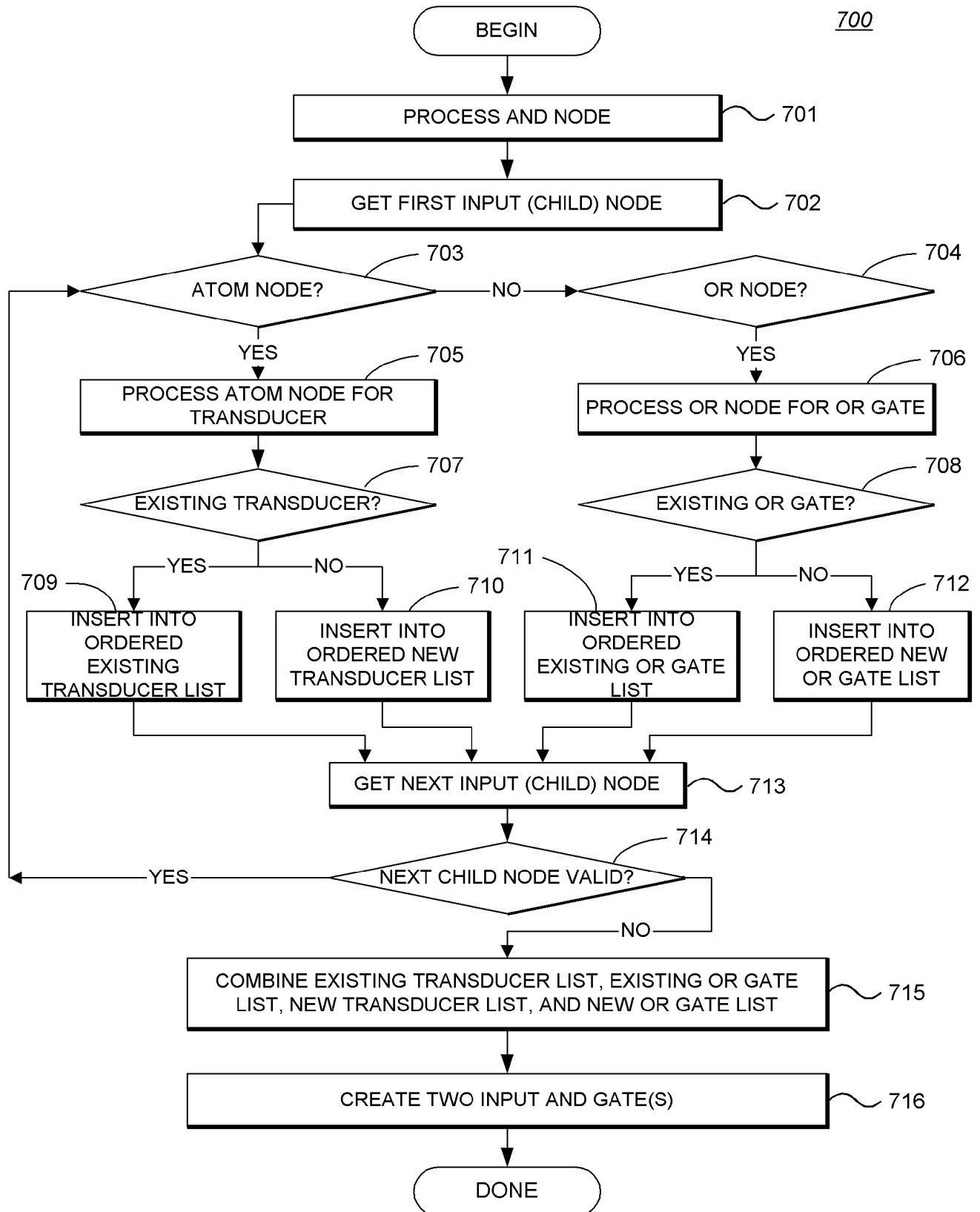
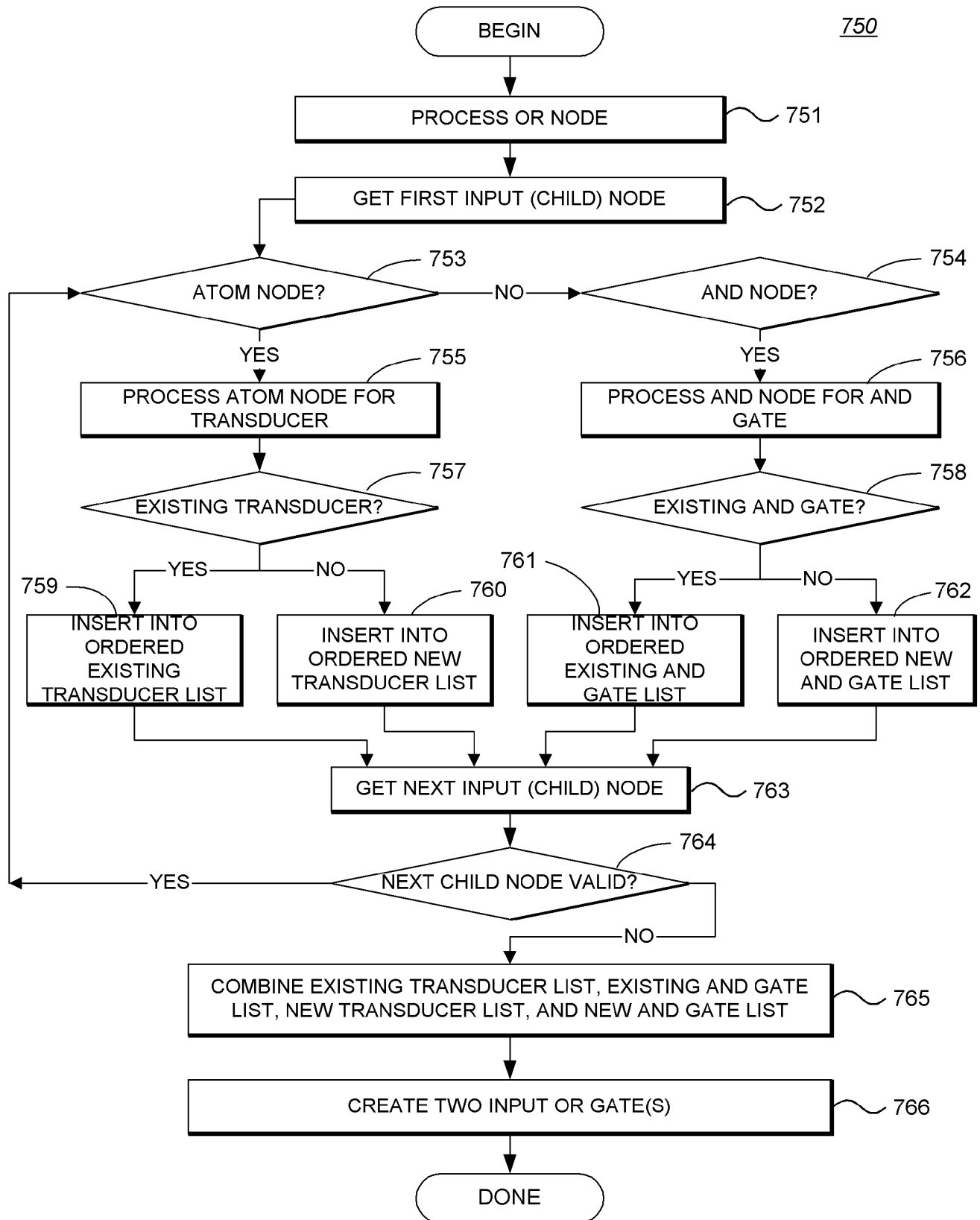
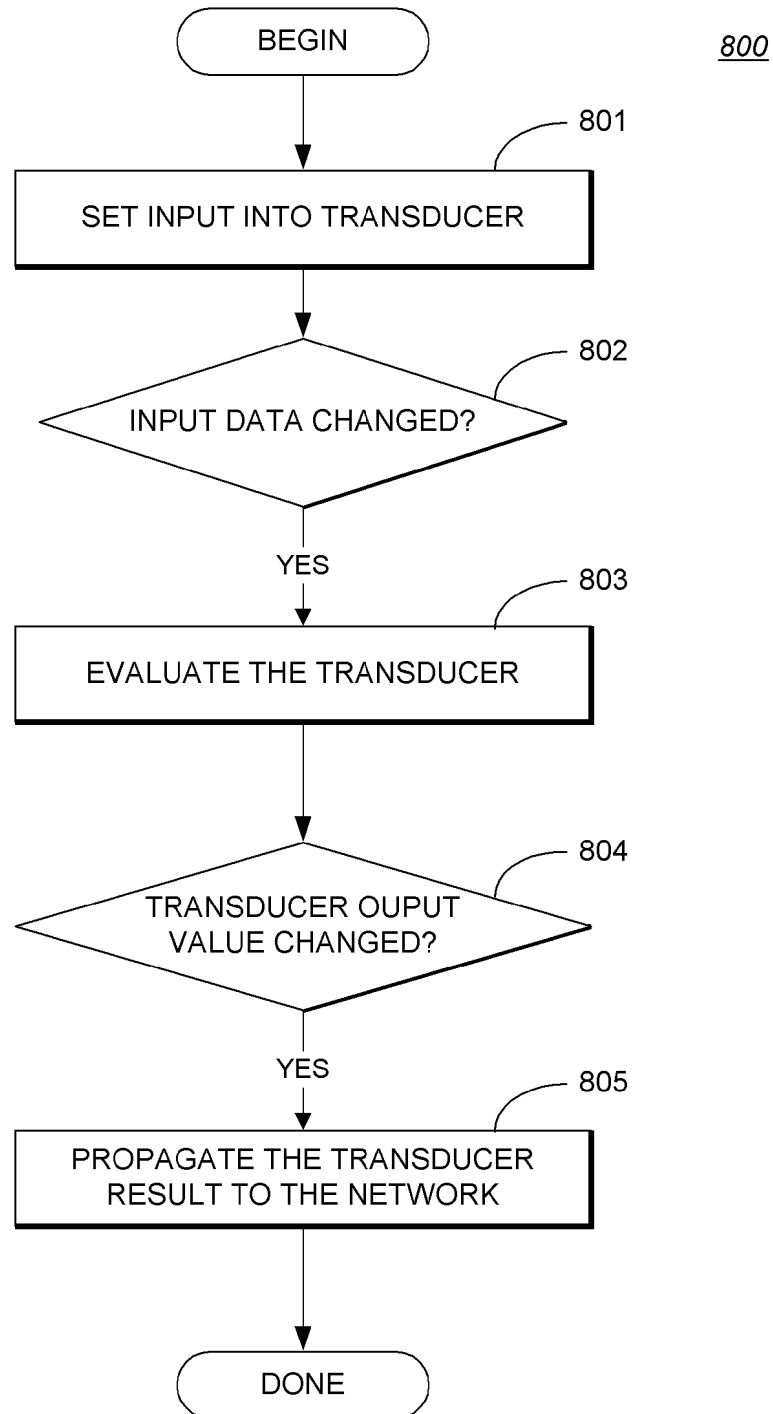
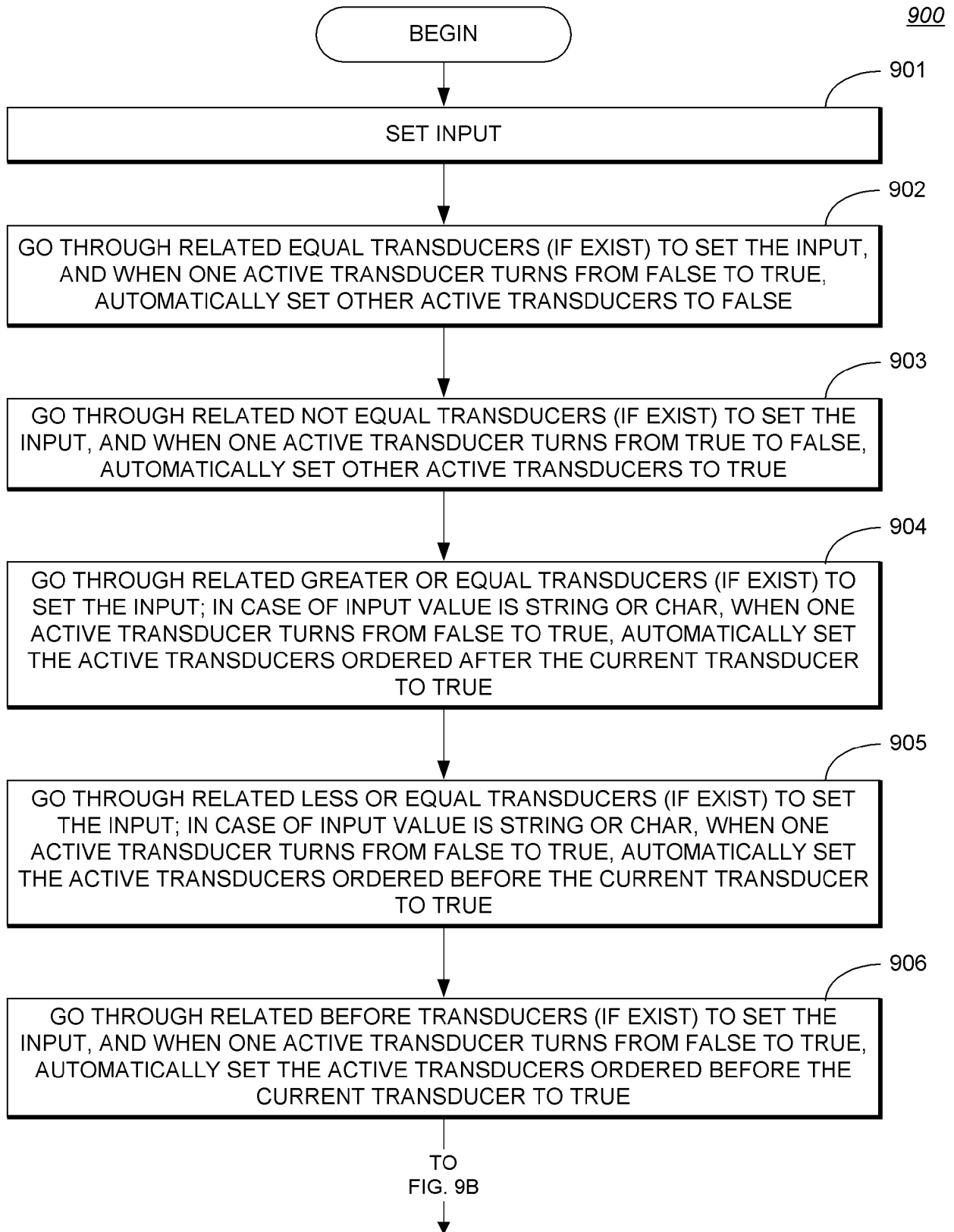
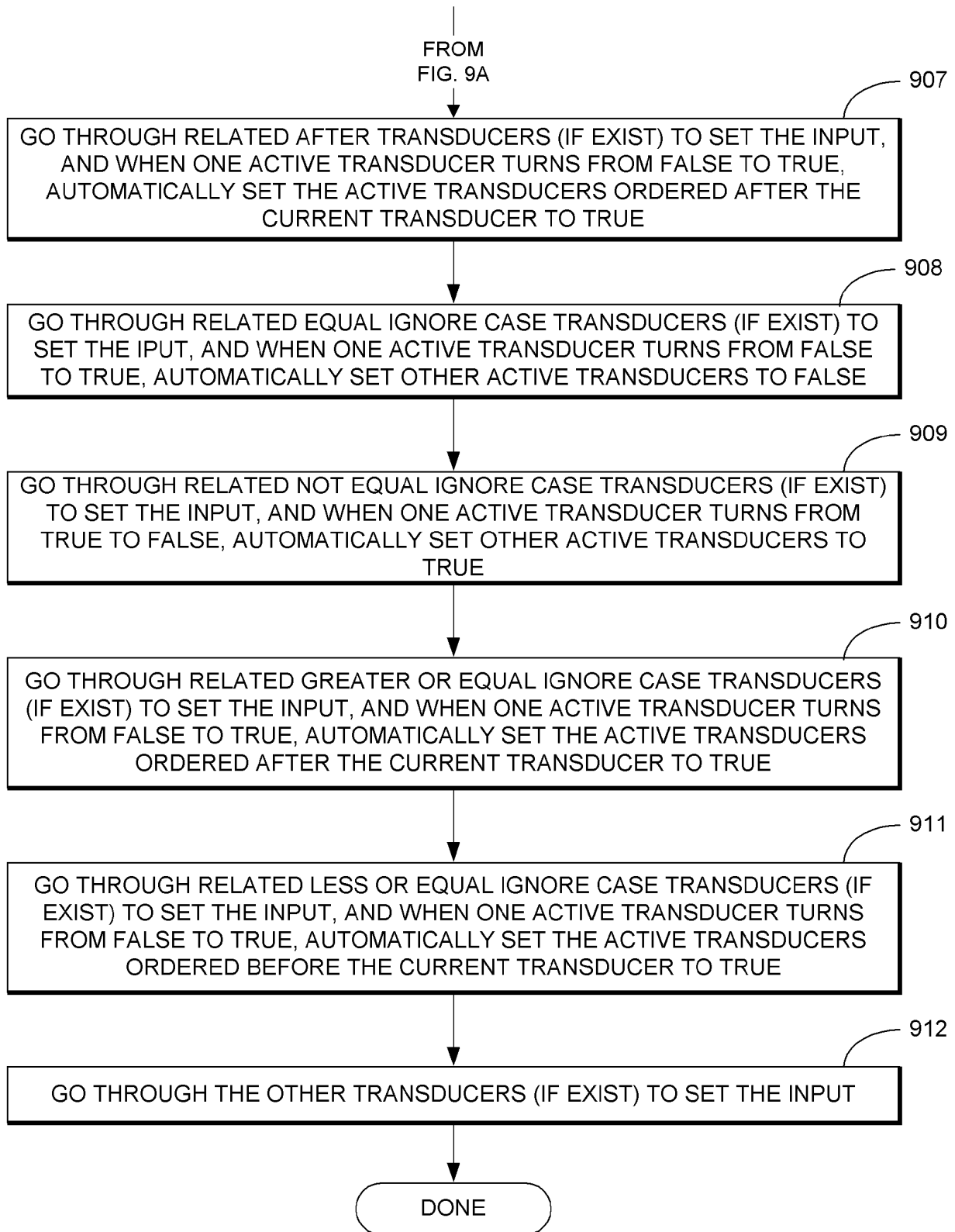


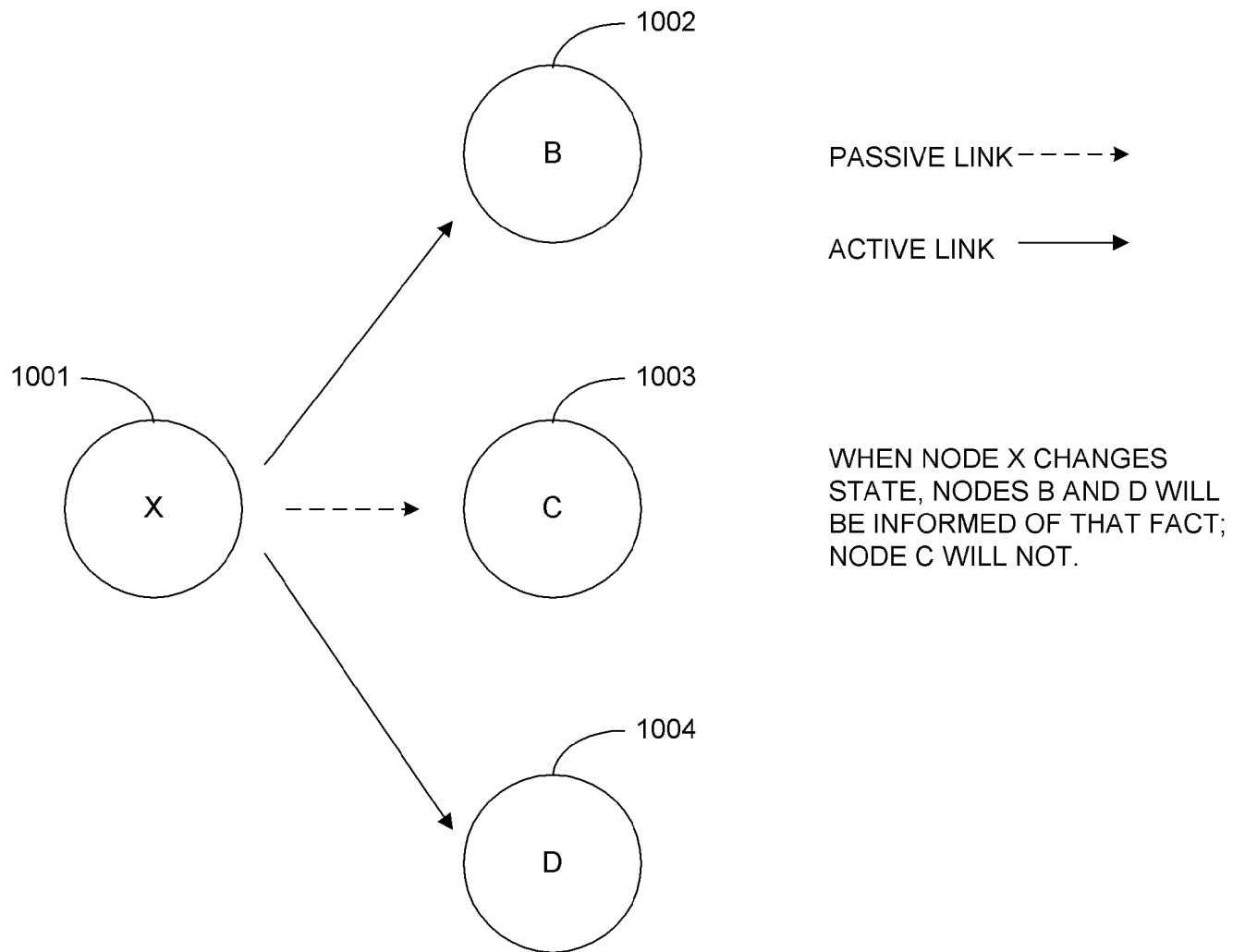
FIG. 7A

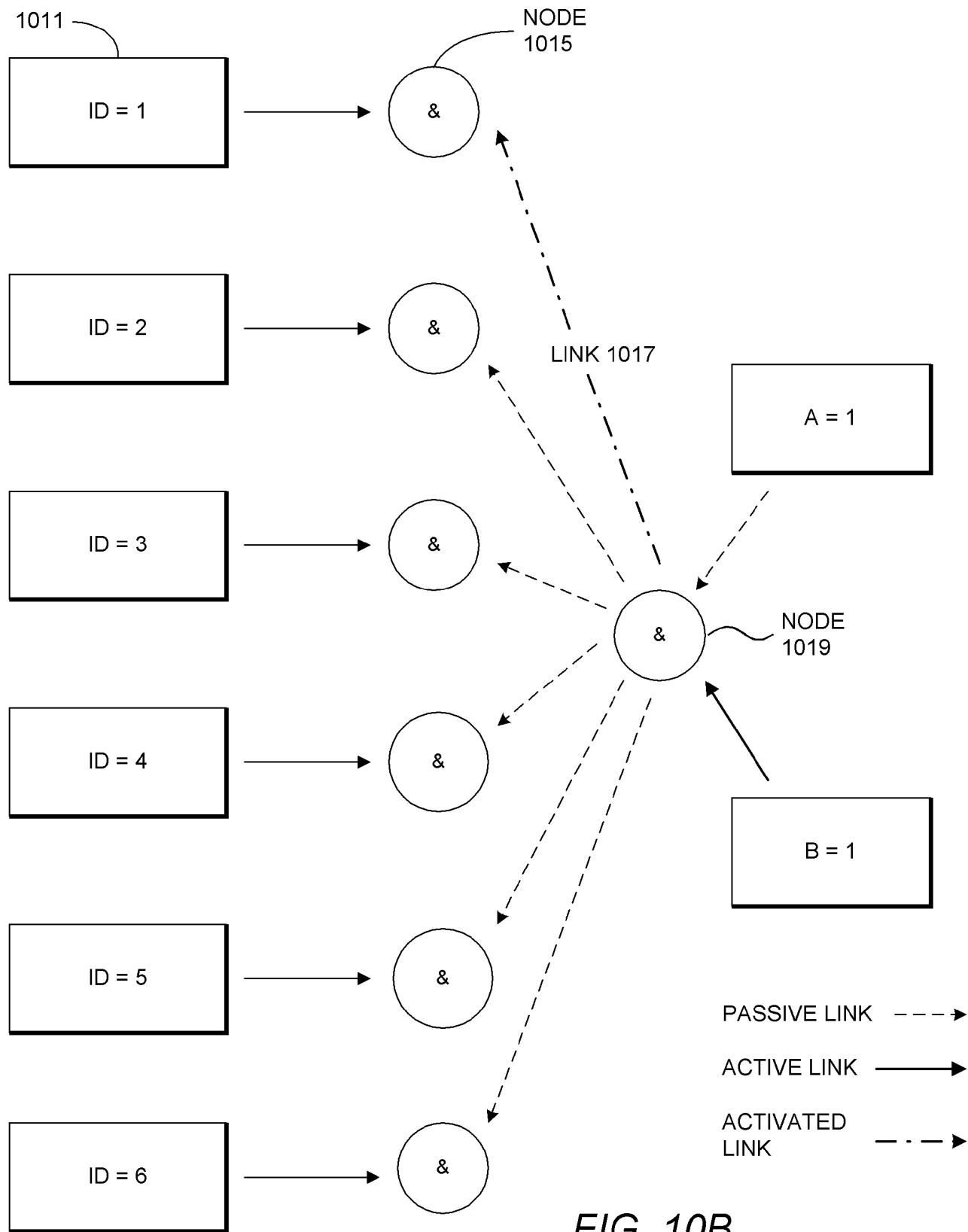
**FIG. 7B**

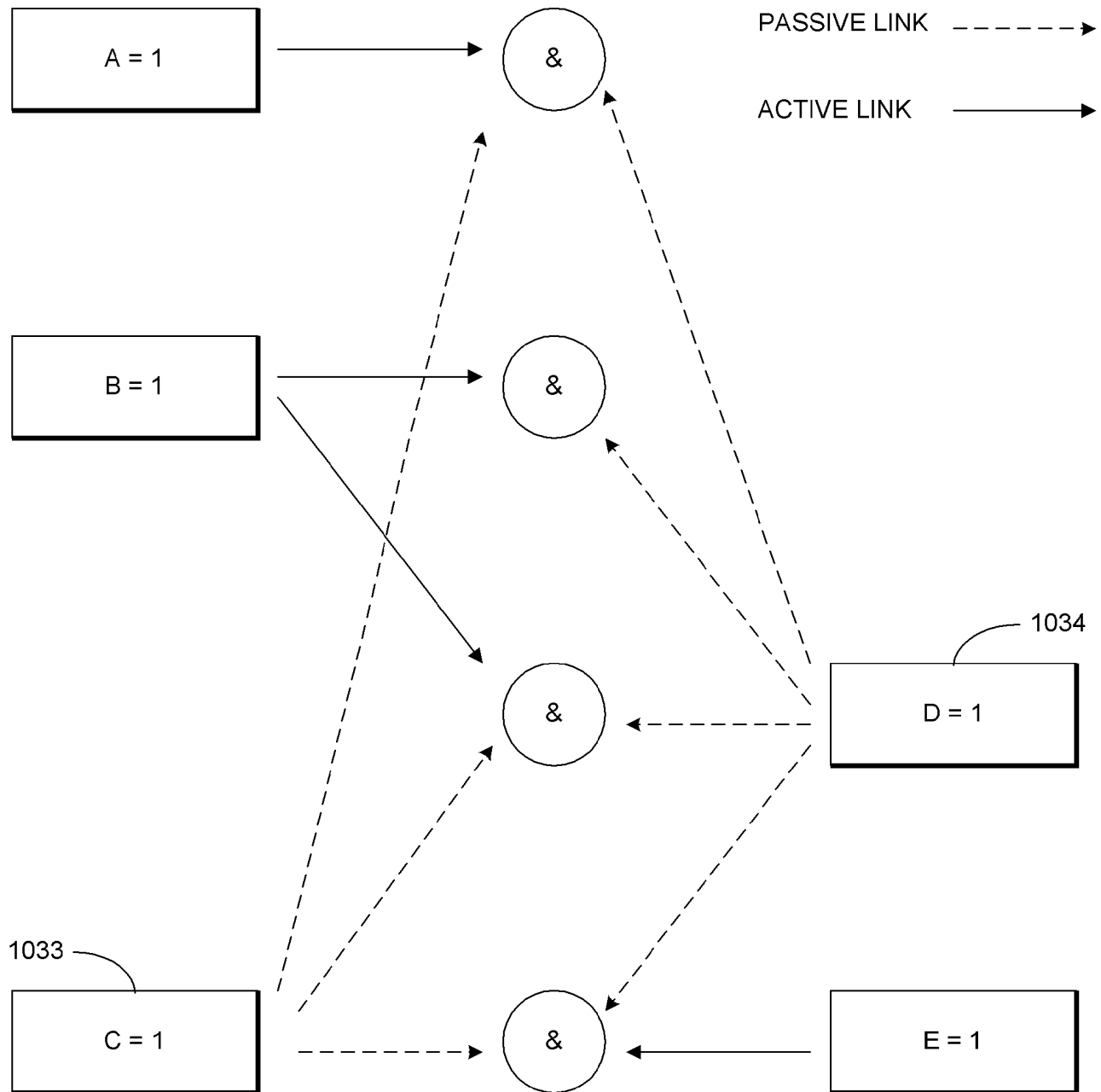
**FIG. 8**

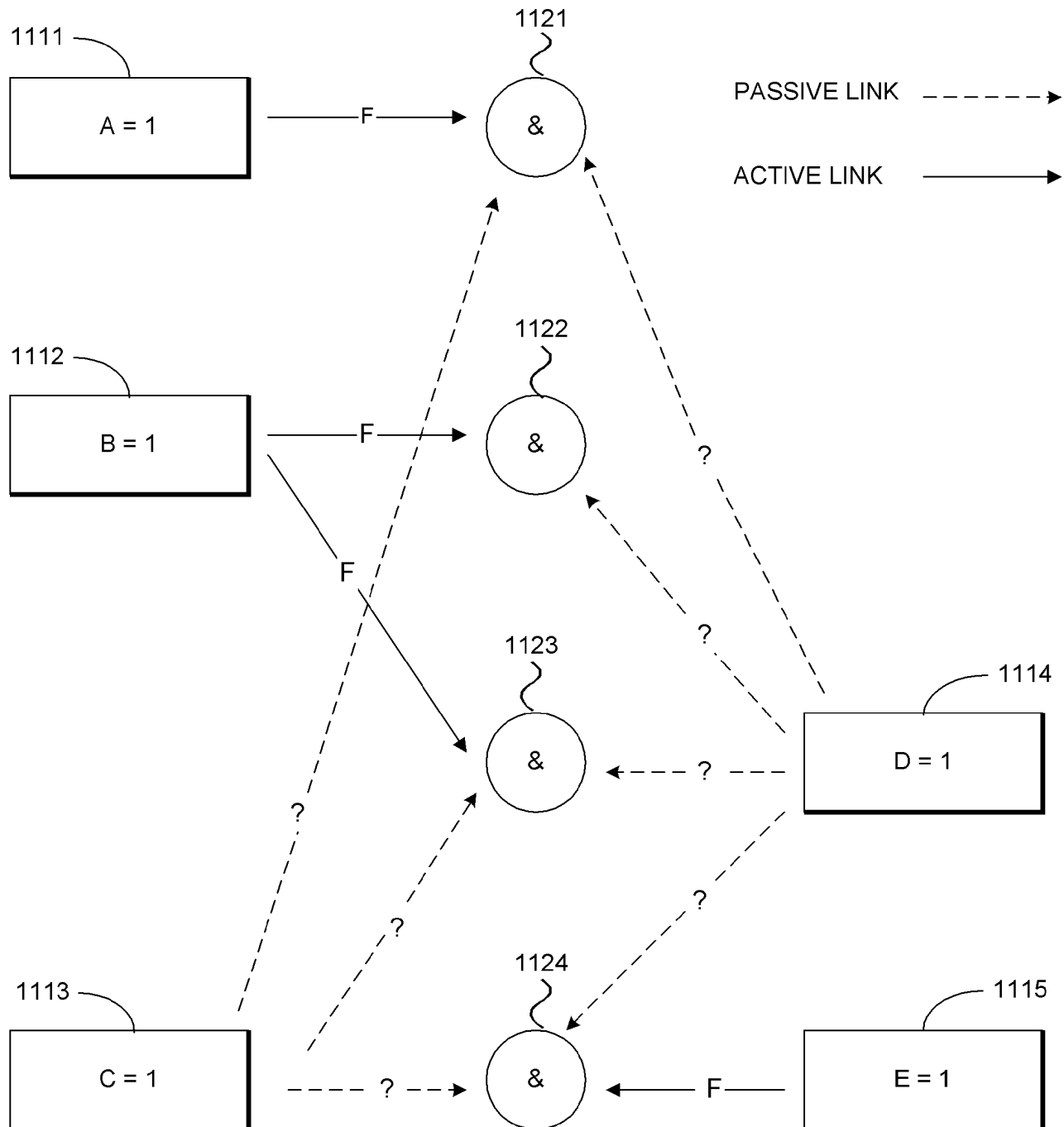
**FIG. 9A**

**FIG. 9B**

*FIG. 10A*

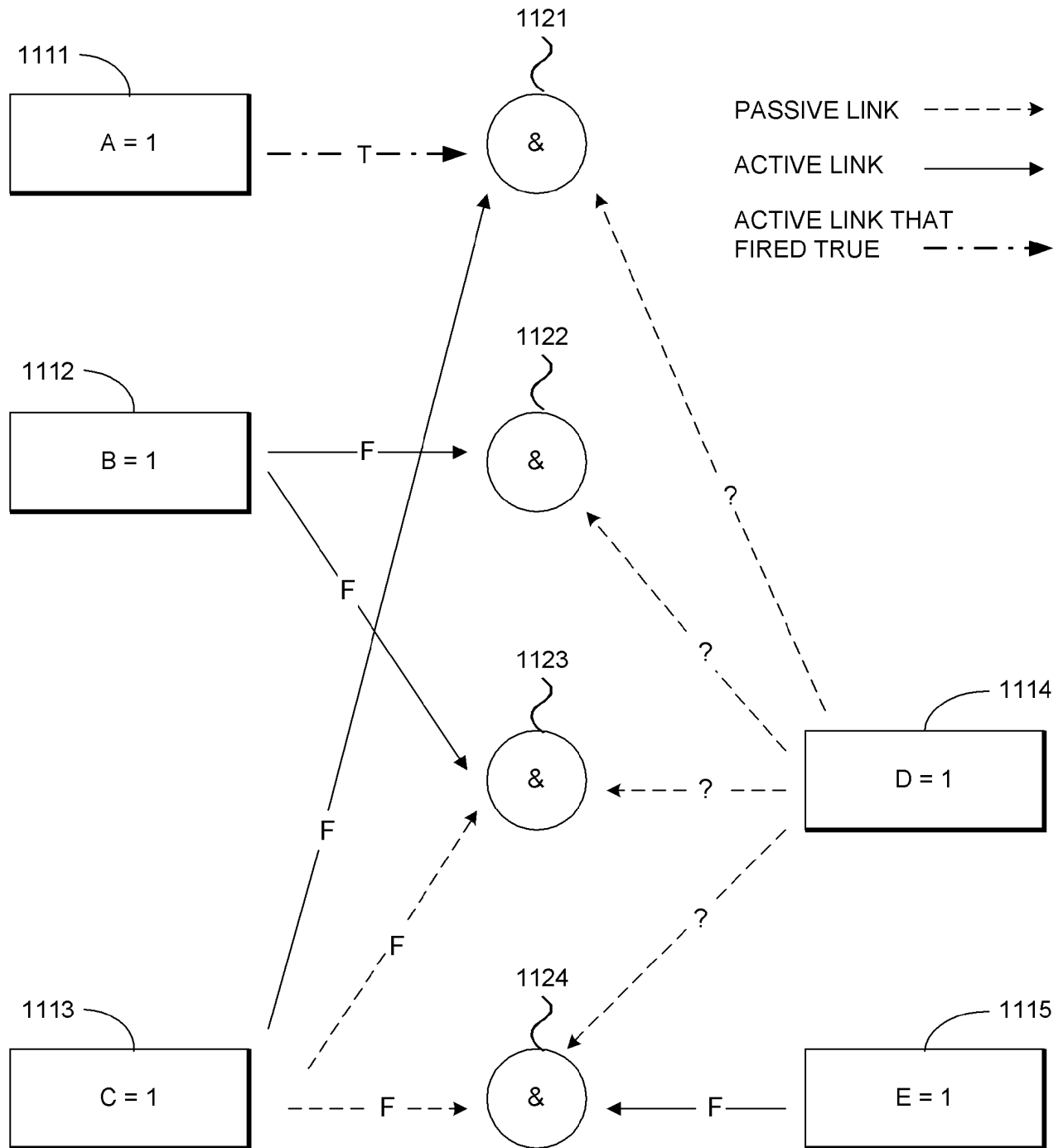


*FIG. 10C*



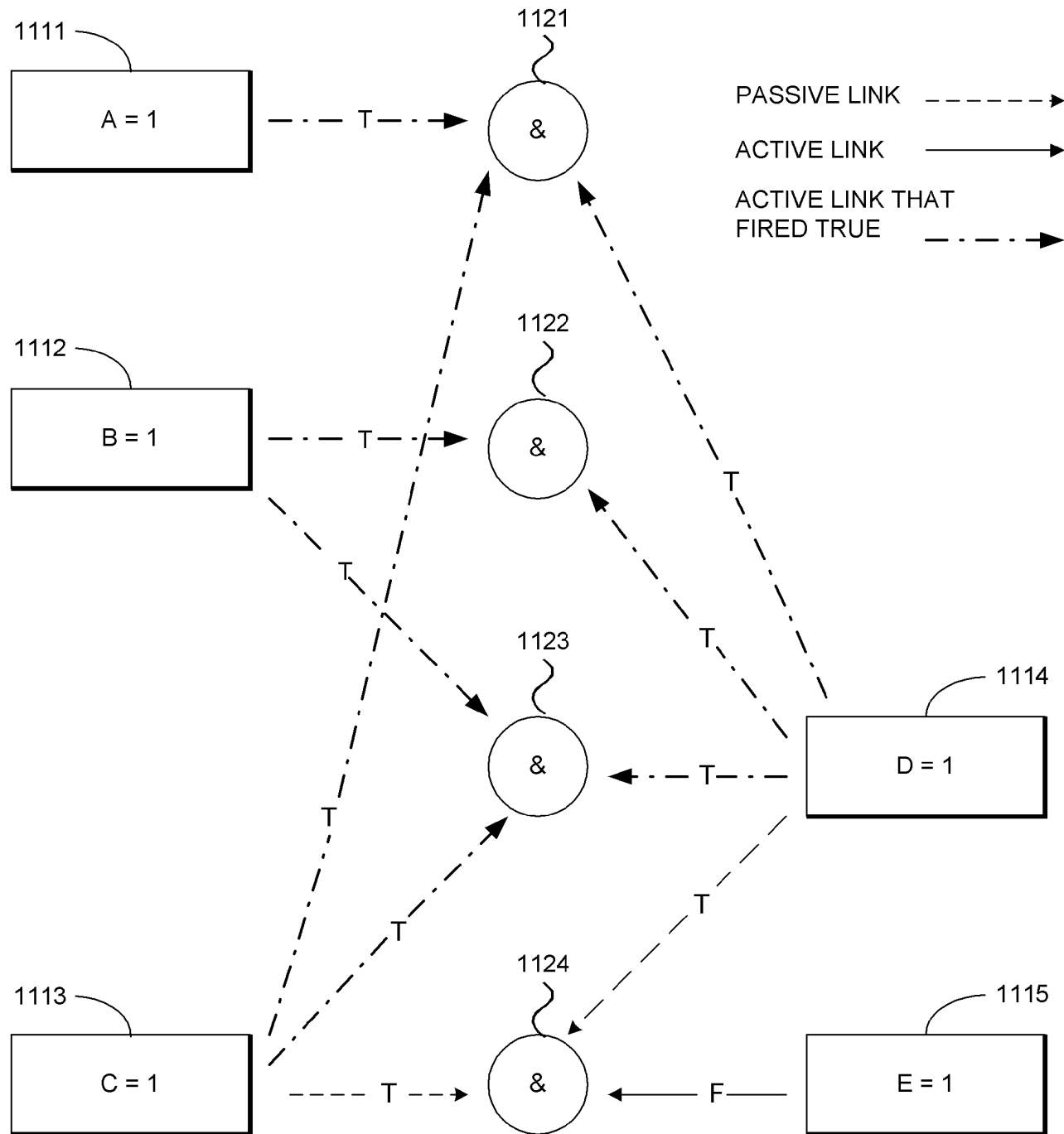
INITIAL NETWORK STATE. ALL TRANSDUCER OUTPUTS ARE FALSE OR UNKNOWN.

FIG. 11A



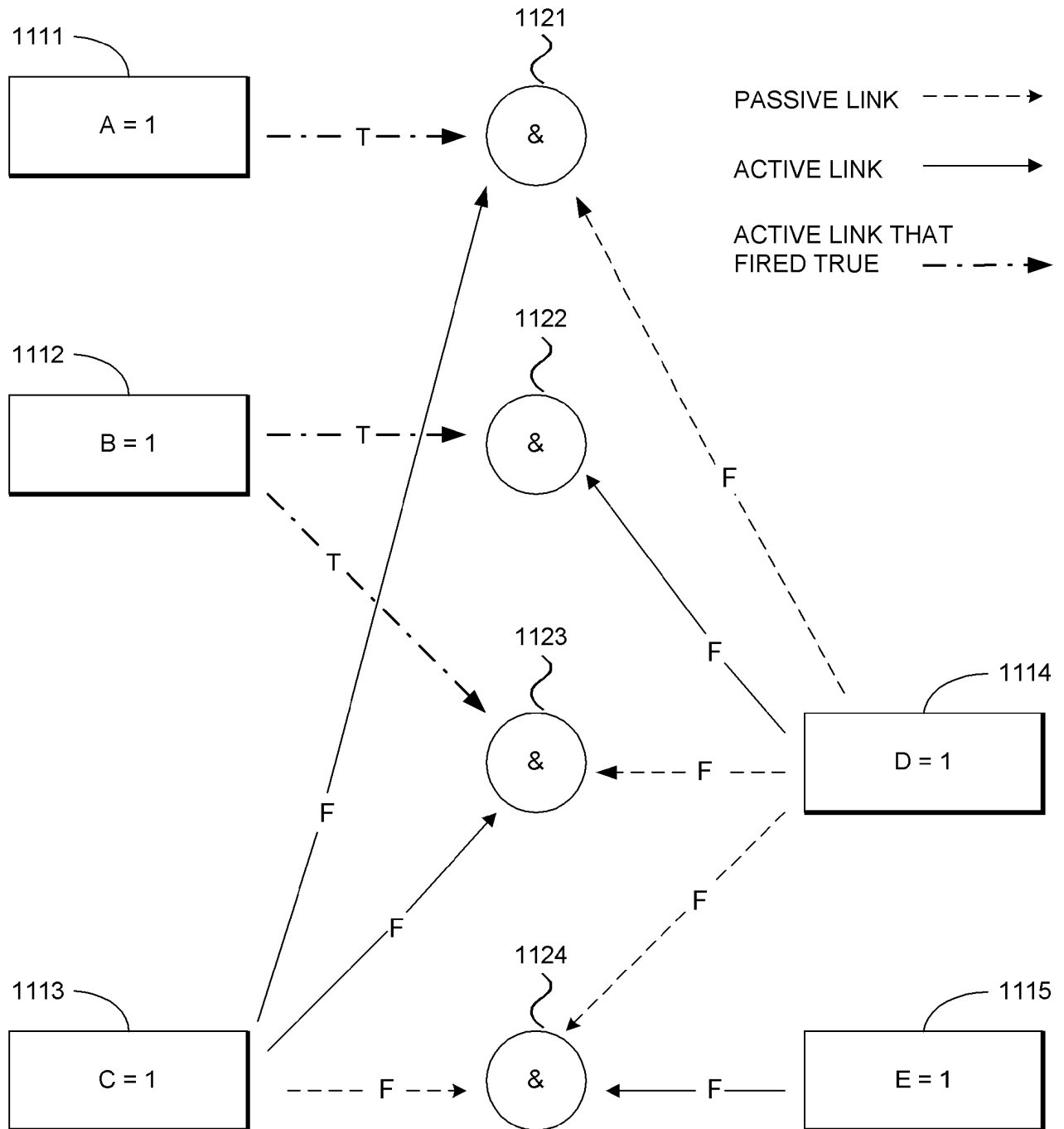
AN INPUT ARRIVES WITH A = 1, B = 0, C = 0, D = 1, E = 0. IN RESPONSE, LINK FROM NODE 1113 (C = 1) TO NODE 1121 IS ACTIVATED.

FIG. 11B



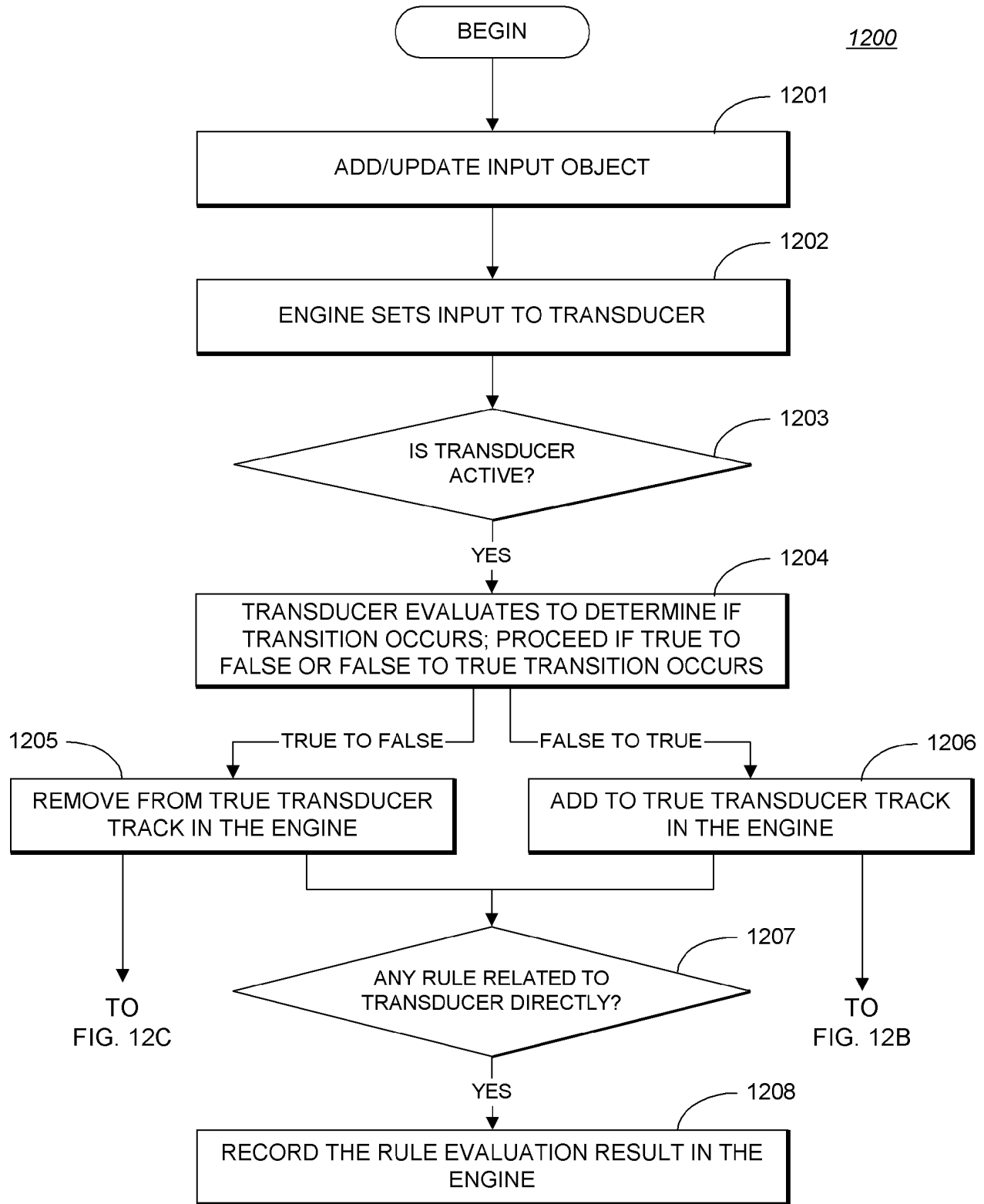
AN INPUT ARRIVES WITH A = 1, B = 1, C = 1. NODES 1121, 1122, AND 1123 HIT.

FIG. 11C



AN INPUT ARRIVES WITH $C = 0$, $D = 0$.

FIG. 11D

**FIG. 12A**

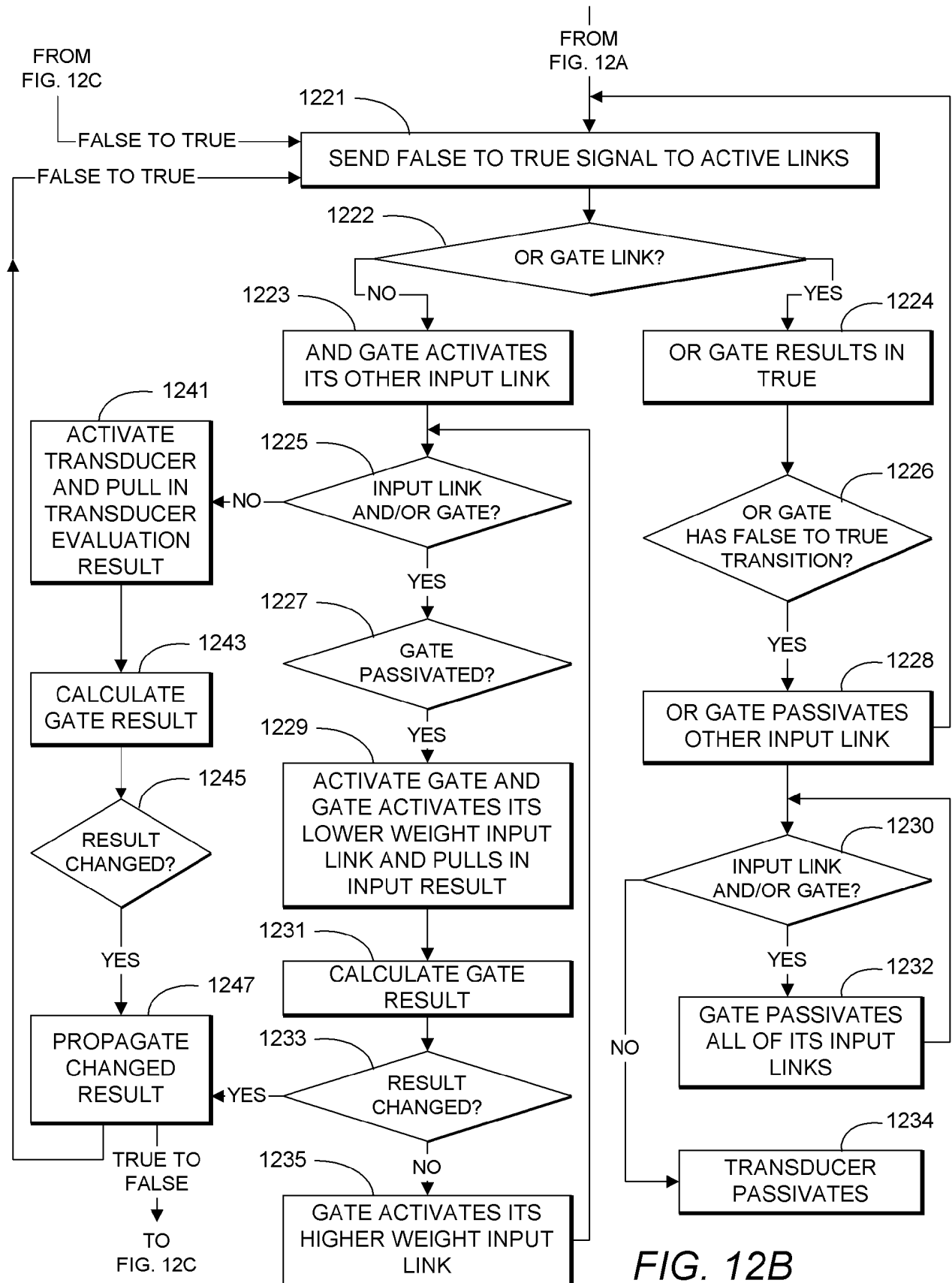


FIG. 12B

